

Message

From: Fennessy, Christopher [christopher.fennessy@Rocket.com]
Sent: 1/11/2018 1:28:00 AM
To: Keller, Lynn [Keller.Lynn@epa.gov]
CC: Plate, Mathew [Plate.Mathew@epa.gov]; Stralka, Daniel [Stralka.Daniel@epa.gov]; 'Tom.Lae@CH2M.com' [Tom.Lae@CH2M.com]
Subject: RE: [EXTERNAL] RE: Area 40 weather station
Attachments: November 2017 AMPAC Windrose.pdf

Attached is the AMPAC wind rose. We are still working on the Iron Point/McAdoo wind rose.

Christopher M. Fennessy, P.E.
Aerojet Rocketdyne, Inc.
Engineering Manager, Site Remediation
11260 Pyrites Way, Suite 125
Rancho Cordova, CA 95670
Ph: 916-355-3341
Fax: 916-355-6145
Email: Christopher.Fennessy@Rocket.com

-----Original Message-----

From: Fennessy, Christopher
Sent: Wednesday, January 10, 2018 9:37 AM
To: 'Keller, Lynn'
Cc: 'Plate, Mathew'; 'Stralka, Daniel'; 'Tom.Lae@CH2M.com'
Subject: RE: [EXTERNAL] RE: Area 40 weather station

Hi Lynn - Attached is the laboratory report containing the results of the samples collected during the November Area 40 Ambient Air Sampling Event. I have also attached the figure showing the locations and the TCE results for this event. Still working on wind roses for surrounding met stations. Chris

Christopher M. Fennessy, P.E.
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-----Original Message-----

From: Fennessy, Christopher
Sent: Tuesday, January 09, 2018 1:46 PM
To: 'Keller, Lynn'
Cc: 'Plate, Mathew'; 'Stralka, Daniel'; 'Tom.Lae@CH2M.com'
Subject: RE: [EXTERNAL] RE: Area 40 weather station

Hi Lynn - Sorry, out of office with no access to files today. We are working on compiling all of the data in accordance with the schedule in the work plan and intend on having report to you by end of January. If I get to the office tomorrow, I can send you the lab reports for the data. I will also see if we have the wind roses for the surrounding weather stations yet.

Chris

-----Original Message-----

From: Keller, Lynn [mailto:Keller.Lynn@epa.gov]
Sent: Tuesday, January 09, 2018 12:53 PM Pacific Standard Time
To: Fennessy, Christopher
Cc: Plate, Mathew; Stralka, Daniel; Tom.Lae@CH2M.com
Subject: FW: [EXTERNAL] RE: Area 40 weather station

Hi, Chris. We are meeting Thursday to internally discuss the ambient air sampling results to date, but we only have the failed weather station data and the figure from the Nov event. Can you please send over any additional info, lab data, wind roses, etc. by tomorrow so we can review it Thursday?

Dan noted we also don't have a wind rose for the Sept event; could you send one over please? If there's anything else I'm missing, please chime in Dan, Matt, Tom.

Thank you,
Lynn

Lynn M. Keller, EI, PMP
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75 Hawthorne St, SFD 7-1
San Francisco, CA 94105
415.947.4162

-----Original Message-----

From: Fennessy, Christopher [mailto:christopher.fennessy@Rocket.com]
Sent: Monday, December 18, 2017 1:08 PM
To: Plate, Mathew <Plate.Mathew@epa.gov>
Cc: Keller, Lynn <Keller.Lynn@epa.gov>
Subject: FW: [EXTERNAL] RE: Area 40 weather station

Hi Mat - During the November ambient air sampling event at Area 40, our on-site weather station failed. It only recorded data for the first day or day and a half. Attached is the data from the on-site weather station, the AMPAC weather station, and the Iron Point/McAdoo weather station (this weather station compared best with local weather station during August event) for the 14 day event in November.

Lynn requested that I send you the data to see if you have any suggestions on how to use the data for analysis. The analytical results from the event have just been received. While they are still considered preliminary, they appear similar to the August event results. Specifically, we had detections of TCE at locations -SP01 (western sump), -SP02 (eastern sump), -SP05 (above Permeable Reactive Barrier along Prairie City Rd), and -SP08 (located on the southern border of the future residential neighborhood just northwest of the sump area). No other detections of TCE. Highest concentration during this event (0.91ug/m3) was at -SP02 (same as last event). This was the only location where TCE was detected at a concentration that exceeded the residential indoor air screening level of 0.48ug/m3. The concentration at -SP08 was 0.11ug/m3. The attached figure shows the locations and the TCE concentrations reported in the preliminary laboratory report.

We used the AMPAC weather station's average temperature over the 14 day period to provide to the laboratory for analytical correction. We plan on plotting up the wind rose for each of these weather stations and including that information in the tech memo. Let me know if there are any specific conclusions you find from the data.

Thanks! Chris

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-----Original Message-----

From: Arthur Forma [mailto:AForma@Geosyntec.com]
Sent: Monday, December 18, 2017 8:32 AM
To: Fennessy, Christopher
Subject: [EXTERNAL] RE: Area 40 weather station

The station recorded approximately 1.5 days of data (full set: temp, wind speed/direction, humidity, etc.) before it overheated and shut down. Attached is the output of the weather station data along with the data from the 2 nearby public stations (AMPAC and Iron Point) for the November event.

Arthur Forma, PG, CEG, CHG
Principal Hydrogeologist

Direct: 916.637.8327
Mobile: 916.494.8110

-----Original Message-----

From: Fennessy, Christopher [mailto:christopher.fennessy@Rocket.com]
Sent: Monday, December 18, 2017 8:23 AM

To: Arthur Forma <AForma@Geosyntec.com>
Subject: Area 40 weather station

Hi Arthur - Can you tell me exactly what was recorded on the weather station at area 40 during the last event? Thanks Chris